

# Environment Act Licence

Manitoba  
Environment



Licence No. 1512  
Issue Date NOVEMBER 5, 1991

In accordance with the Manitoba Environment Act (C.C.S.M. c. E125)

THIS LICENCE IS ISSUED TO:

## **REAL INDUSTRIES LTD.: APPLICANT**

The following limits, terms and conditions shall be complied with by Real Industries Ltd. in connection with the operation of a sandblasting booth and associated storage warehouse facility located in the Community of Rathwell on Lots 3 to 5 and Lots 8 to 10 in Block 10, and Lots 1 to 3 in Block 11 on Plan 778A in the Rural Municipality of South Norfolk in the Province of Manitoba.

### **AIR EMISSIONS - RESTRICTIONS**

1. The Applicant shall limit the emission of particulate matter from the operation to such an extent that airborne particulate matter from any point of emission shall not exceed 0.23 grams per dry standard cubic metre calculated at 25 degrees Celsius and 760 millimetres of mercury.
2. The Applicant shall not cause or permit visible emissions from any point of the operation that exhibit an opacity equal to or in excess of:
  - i) 20 percent for a period or periods of more than 4 minutes in the aggregate in any one hour;
  - ii) 40 percent at any time.
3. The Applicant shall limit the fugitive emissions of particulate matter from the operation such that airborne particulate matter from any part or process of the operation:
  - i) do not exhibit a visible plume with an opacity of greater than 5 percent at any point beyond the property line of the development;
  - ii) do not deposit visible particulate residue at any time beyond the property line of the development.

### **NOISE EMISSIONS - RESTRICTIONS**

4. The Applicant shall not cause or permit the emission of sound from any part of the operation which, when measured in a residential area, exceeds the following hourly equivalent continuous sound level  $\{L_{eq}(1)\}$  limits:

- i) subject to (ii):
  - a) 60 dBA during the daytime hours of 7 :00 a.m. to 10:00 p.m., local time;
  - b) 50 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m., local time;
- ii) when subjective evaluation or measurements indicate the intermittent or continuous noise has a significant impulsive character or predominant discrete tone (for example a whine or hum):
  - a) 55 dBA during the daytime hours of 7 :00 a.m. to 10:00 p.m., local time;
  - b) 45 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m., local time.

### **GENERAL**

5. The Applicant shall ensure that a high standard of equipment maintenance and good housekeeping and operational practices are carried out at all times consistent with meeting the requirements of this Licence. This shall include but is not limited to the ensurance that the door used for access of equipment to the sandblasting booth remains closed at all times during blasting operations and remains closed for a period of at least 30 minutes following the termination of each blasting operation to allow for all entrained materials to settle or to be removed by the pollution control equipment.

### **DEFINITIONS**

6. In this Licence:
- i) "particulate matter" means any finely divided liquid or solid matter other than water droplets.
  - ii) "opacity" means the degree to which visible emissions reduce the transmission of light and obscure the view of an object in the background.
  - iii) "a 4 minute period(s)" is comprised of any 16 readings, not necessarily contiguous, taken at 15 second intervals within a 1 hour sampling period.
  - iv) "Leq" the equivalent, A-weighted sound level (as decibels (dBA)) is the intensity (dBA) of the constant or steady sound level that would result in exposure to the same total A-weighted energy as would the specified time varying sound, if the constant sound level persisted over an equal time interval, in this case ie: Leq(1), of a 1 hour period.
  - v) "A-weighted sound level" is the sound level measured with a sound level meter designed to approximate the relative sensitivity of the normal human ear.

- vi) "fugitive emissions" means any particulate matter escaping from the development which is not contained or ducted into the atmosphere.



**Larry Strachan, P. Eng.**  
**Director**  
**Environment Act**

**File: 3359.00**